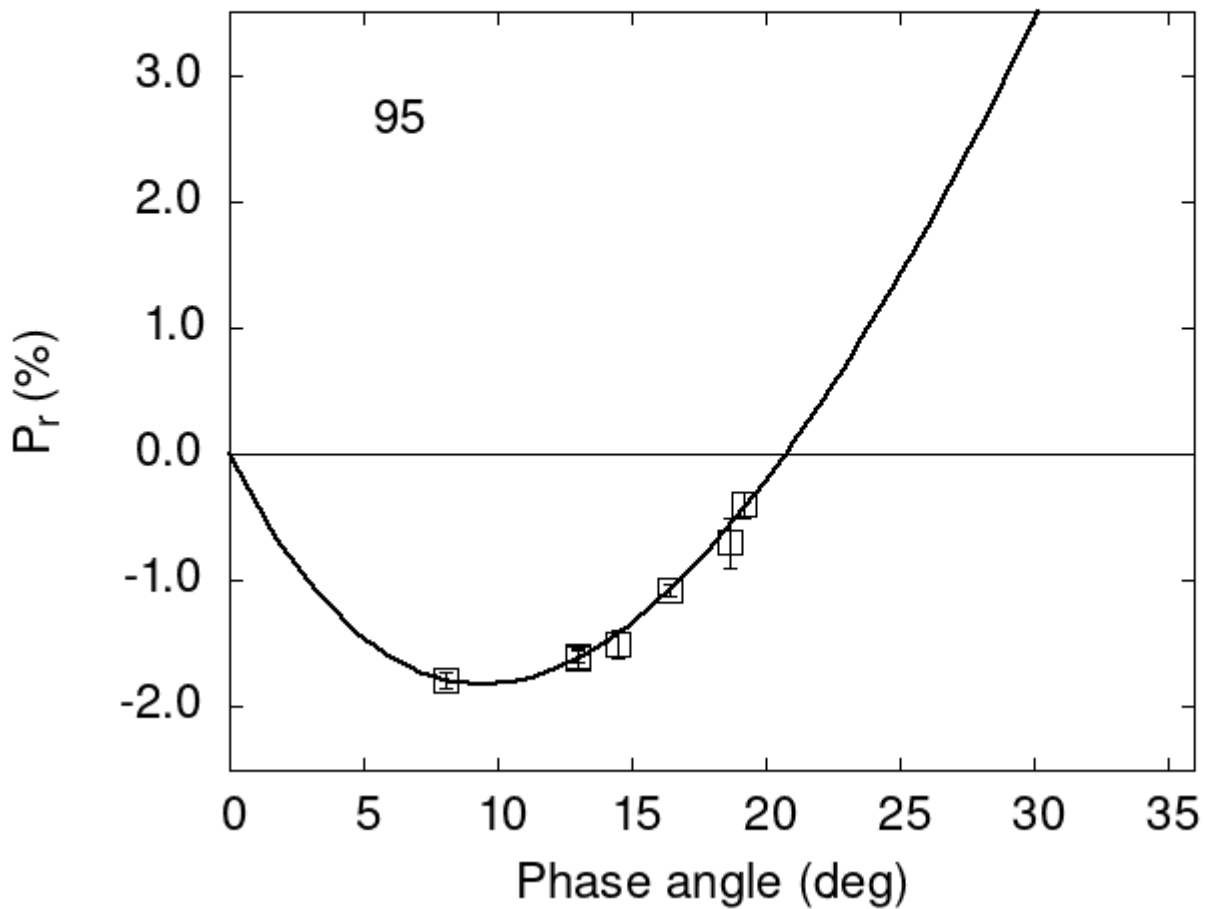


Catalogue of Asteroid Polarization Curves

Gil-Hutton (2023)



Polarimetric data:

The columns list the object number, the phase angle (degrees), P_r (%), its error, the filter used, and the reference code.

```
95 14.47 -1.50 0.11 V f
95 18.66 -0.70 0.20 V f
95 19.22 -0.40 0.10 V f
95 8.07 -1.79 0.06 G a
95 13.02 -1.62 0.07 G a
95 13.00 -1.59 0.06 V a
```

95 16.40 -1.08 0.05 V h

Polarization Curve Parameters:

The polarimetric parameters were obtained fitting the observations to a polarization curve using the function:

$$P_r(\alpha) = Coe_1 \times \left[\exp\left(-\frac{\alpha}{Coe_2}\right) - 1 \right] + Coe_3 \times \alpha,$$

where α is the phase angle in degrees. The minimum of the polarization curve is identified by Pmin, Phmin is the phase angle where Pmin is reached, Ph0 is the inversion angle, and k is the slope of the polarization curve at Ph0.

```
#
#      Coe1      eCoe1      Coe2      eCoe2      Coe3      eCoe3
# 20.7213  0.7072  19.2154  0.5973  0.6593  0.0183
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
#      9.46  0.90 -1.819  0.378 20.75  0.14 0.2931 0.0221
```